

FABIAN, P.

Contribution to the diagnosis of congenital isolated tracheo-esophageal communication. Česk. pediat. 14 no.11:1040-1041 November 59.

1. Detske oddelenie KUNZ v Banskej Bystrici, prednosta MUDr. P. Fabian.
(ESOPHAGUS, abnorm.) (TRACHEA, abnorm.)

SAKAL, V.; FABIAN, P.

Uremia in childhood in undiagnosed obstruction of the neck of the bladder. Cesk. pediat. 15 no.2:117-123 F '60.

1. Urologické oddelenie KUMZ v Banskej Bystrici, prednosta dr.
V. Sakal; Detske oddelenie, prednosta dr. P. Fabian.
(BLADDER abnorm.)
(UREMIA etiol.)

FABIAN, P., MARTINKOVIC, A.

A case of hemolytic disease in a newborn infant conditioned by simultaneous isoimmunization in the ABO and Rh systems, cured by 4 exchange transfusions. Cesk. pediat. 16 no. 7/8:702-705 Jl-Ag '61.

1. Detske oddelenie KUNZ v Banskej Bystrici, predn. MUDr. P. Fabian -
Krajska transfuzna stanica v B. B., predn. MUDr. A. Martinkovic.

(ANEMIA HEMOLYTIC in inf & child)
(INFANT NEWBORN diseases)
(BLOOD TRANSFUSION in inf & child)

SAXL, O.; ZEMANEK, R.; FABIAN, P.

Congenital diffuse bone sclerosis in children. Cesk. pediat. 17 no.1:
49-51 Ja '62.

1. Fakultni detska nemocnice v Brne, int. oddeleni, prednosta doc. dr.
O. Saxl Fakultni detska nemocnice v Brne, ~~reg-~~oddeleni, prednosta dr.
R. Zemanek Detske oddeleni KUNZ v B. Bystrici, prednosta dr. P. Fabian.

(OSTEOPOROSIS in inf & child)

FABIAN, P.

Invagination and perforation of the intestine in anaphylactic purpura.
Cesk pediat 17 no.2:149-151 F '62.

1. Detske oddelenie KUNZ v Banskej Bystrici, prednosta dr. Pavel
Fabian.

(INTUSSUSCEPTION in adolescence)
(INTESTINE SMALL diseases)
(PURPURA in adolescence)

FABIAN, P.; GALIK, L.

Clinical and EEG picture of acute carbon monoxide poisoning in a child. Cesk. pediat. 17 no.4:345-349 Ap '62.

1. Detske oddeleni KUNZ Banska Bystrica, prednosta Dr. P. Fabian
Neurologické oddelenie KUNZ Banska Bystrica, prednosta Dr. L. Galik.

(CARBON MONOXIDE toxicol)
(ELECTROENCEPHALOGRAPHY in inf & child)

FABIAN, P.; DROBA, O.; STYK, L.

Ectodermal dysplasia. Česk. pediat. 18 no.2:135-139 F '63.

1. Detske oddelenie Krajskej nemocnice v Banskej Bystrici, prednosta MUDr. P. Fabian Detska poliklinika OUNZ v Banskej Bystrici, veduci MUDr. O. Droba Zubne oddelenie Krajskej nemocnice v B. Bystrici, prednosta MUDr. J. Bukovy.

(ECTODERMAL DEFECT CONGENITAL)

GALIK, L., MUDr.; FABIAN, P., MUDr.

Drug poisoning of a child with hydantoinates in clinical and
EEG aspects. Bratisl. lek. listy 45 no.6:374-379 31 Mr '65

1. Neurologické oddelenie Krajskeho ustanovu parodniho zdravi
v Banskej Bystrici (veduci: MUDr. P. Fabian).

SAKAL, V.; FABIAN, P.; KOVAC, V.

Significance of urological complications in imperforate anus in the newborn. Cesk. pediat. 18 no.1:33-36 Ja '63.

1. Urologicke oddelenie KUNZ v Banskej Bystrici, prednosta dr. V. Sakal
Detake oddeleni KUNZ v Banskej Bystrici, prednosta dr. P. Fabian.
(ANUS) (ABNORMALITIES) (UROLOGY)

BECK, Mihaly; BITE, Pal; BRUCKNER, Gyozo; CSENTES, Jozsef; CSUROS, Zoltan;
DEAK, Gyula; ERDEY-GRUZ, Tibor; ERDEY, Laszlo; FABIAN, Pal;
FINALY, Istvan; FODOR, Gabor; FODORNE CSANYI, Piroska;
GYORBIRO, Karoly; INZELT, Istvan; KUCSMAN Arpad; NEUMANN, Erno;
PUNGOR, Erno; SCHNEIDER, Anna; SCHUIEK, Elemer; SZABADVARY, Ferenc

Rules for the Hungarian chemical nomenclature and orthography.
Kem tud kozl MTA 17 no.1/4:1-292 '62.

1. "A Magyar Tudomanyos Akademia Kemial Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Bruckner, Csuros, Laszlo Erdey, G.Fodor, and Schulek). 2. "A Magyar Tudomanyos Akademia Kemial Tudomanyok Osztalyanak Kozlemenyei" szerkesztoje (for Erdey-Gruz). 3. "A Magyar Tudomanyos Akademia Kemial Tudomanyok Osztalyanak Kozlemenyei" technikai szerkesztoje (for Finaly). 4. Muvelodesugyi Miniszterium (for Csentes). 5. Magyar Tudomanyos Akademia Helyesitasi Bizottsage (for Fabian). 6. Nehezipari Miniszterium (for Neumann).

HUSAR, I.; FABIAN, R.

First International Students' Colloquium on Welding in
Magedburg. Zvaranie 12 no. 12: 370-371 D '63.

HUSAR, Ivan, inz.; FABIAN, Rudolf, inz.

Automatic plasma torch welding of 1,5 mm plates from 17-347
material. Zvaranie 13 no. 387-90 Mr'64

SCHNITZLER, Jozsef, dr.,; FABIAN, Sandor, dr.

New method for spondylodesis in tuberculosis. Tuberk. kordesei 7
no.6:94 Dec 54.

1. A debreceni Allami Tudobatagyogyintezet (igazgato: Pongor
Ferenc dr.) korlemenye.
(TUBERCULOSIS, SPINAL, surgery
spondylodesis, method (Hun))

FABIAN, Sandor, dr.; VAIKOCSY, Akos, dr.

Result of application of intranarconnal. Magy. sebeszet 8 no.
2:115-119 Apr 55.

1. A Debreceni Allami Tudobeteggyogyintezet sebeszeti
osztalyanak koolemenye. Foorvos: Schnitzler, Jozsef dr.
(BARBITURATES, anesthesia and analgesia,
thiobarbiturate anesth. of short duration.)

FABIAN, Sandor, dr.; HALASY-NAGY, Endre, dr.

Extraperiosteal plastic plombage. Tuberk. kerdesei 9 no.1:14-16
Feb 56

1. A debreceni Orvostudomanyi Egyetem Tbc Klinikaja (igazgato:
Pongor Ferenc dr.) Sebeszeti osztalyanak (osztalyvezeto:Schnitzler
Jozsef dr.) kozlemenya.

(COLLAPSE THERAPY

extraperiosteal plombage with perlon, technic (Hun))

FABIAN, S.

Falling asleep and accidents. p. 12
Statement on motor sports. p. 14
AUTO MOTOR (Kozlekedesi Kiado) Budapest
Vol 9, no. 7, Apr. 1956

Source: EEAL - LC Vol 5, No. 10, Oct. 1956

FABIAN, Sandor

Alteration of bronchoscopic tube for examinations in narcosis. Orv.
hetil. 98 no.30:832 28 July 57.

1. A Szébreceni Orvostudományi Egyetem Tbc. Klinikája (igazgató:
Pongor Ferenc dr.) Sebeszető Osztályának (osztályvezető: Schnitzler
József dr.) Kozleménye.

(BRONCHOSCOPY, apparatus & instruments
alteration of tube for exam. in general anesth. (Hung.))

FABIAN, Sandor, Dr.

Narcosis protocol. Orv. hetil. 99 no.8-9:299-300 23 Feb - 2 Mar 58.

1. A Debreceni Orvvstudomanyi Egyetem Tbc. Klinikaja (igazgato:
Pongor Ferenc dr. egyet. docens) Sebeszeti Osztalyanak (osztalyvezeto
Schnitzler Jozsef dr. egyet. docens) kozlemenye.

(ANESTHESIA

protocol sheet (Hun))

(RECORDS, MEDICAL

anesth. protocol sheet (Hun))

FABIAN, Sandor, Dr.; BANHIDI, Endre, Dr.; VAJKOCZY, Akos, Dr.

Problems of tracheobronchial anesthesia. I. Bronchoscopy in narcosis.
Orv. hetil. 99 no.23:783-787 8 June 58.

1. A Debiaceni Orvostudomanyi Egyetem Tbc. Klinikaja (igazgato: Pongor
Ferenc dr.) Sebeszeti Osztalyanak (osztalyvezeto: Schnitzler Jozsef dr.)
kozlemenye.

(BRONCHOSCOPY, anesth. & analgesia
general, advantages, indic. & methods (Bm))

MESZAROS, Gyorgy, dr.; FABIAN, Sandor, dr.; BANHIDI, Endre, dr.; VEZENDI,
Sandor, dr.

Bronchography under overpressure and anesthesia in apneic patients.
Tuberkulozis 14 no. 3:68-71 Mr '61.

1. A Debreceni Orvostudomanyi Egyetem Tbc Klinika (mb. igazgato: Pongor
Ferenc dr. egyetemi docens) bronchologial osztalyanak kozlemenye.

(APNEA diag) (BRONCHI radiography)

BODA, Andor, dr.; FABIAN, Sandor, dr.

Statistical aspects in the determination of modern therapeutic measures for the treatment of chronic nonspecific osteomyelitis.
Orv. hetil. 106 no.5215-218 31 Ja '65

1. Gondt-izuleti Tbc. Gyogyintézet, Nyírbátor (igazgató főorvos:
Fabian, Sandor, dr.).

HUNGARY

FABIAN, Sz., Magdolna, Dr, LAKOS, Antal, Dr, FEHER, Ilona, Dr; City Council of Mako, Hospital, Department of Radiology (Mako Varosi Tanacs Korhaz, Rontgenosztaly), and Medical University of Szeged, II. Medical Clinic (Szegedi Orvostudomanyi Egyetem, II. Belklinika).

"Methods for the Acceleration of Passage in the X-Ray Examination of the Intestinal Tract (Pharmaco-Radiographic Studies)."

Budapest, Magyar Radiologia, Vol XVIII, No 2, Apr 66, pages 81-85.

Abstract: [Authors' English summary modified] It was found by the authors that passage through the small intestine is considerably accelerated by Diotilan and Prostichol without any disturbance in the morphology or physiological function of the mucous membrane or the intestinal wall. There were no pathological spasms or increased secretion. The small intestine becomes filled after 30-60 minutes and the colon after 2 hours. By using this method, the examination of the entire intestinal tract can be completed within 2 hours. 7 Hungarian, 24 Western references.

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- 201 -

FAIX, Alexej, inz.; FABIAN, Stanislav

Experience in the use of the burn cut in gallery driving.
Rudy 11 no.10:323-327 0 '63.

~~FAIX, Alexej, inz.; FABIAN, Stanislav.~~

Experience in the operational testing of the Atlas Copco
T-2-GH bunker loader. Rudy 11 no.11:372-377 N°63.

1. Zaleznorudne bane.

FAIX, Alexej, inz.; FABIAN, Stanislav

Experience in drilling with concave bits. Rudy 13 no.1:30-34
Ja '65.

1. Zelenorudne bane National Enterprise, Spisska Nova Ves.

LIBRARY

PISSANI, Dr. Baghella, M.D., of the X-ray Laboratory at the Hospital
of the Hungarian Council (Varosi Termes Korhaz or Open Laboratories)
in Szeged.

"An Aorta and Syndrome Observed for Seven Years"

"Hungarian Orvosi Hetilap," Vol. 104, No. 7, 17 Feb 1963, pp. 323-325.

Abstract: A case of aortitis of leptic origin, associated with a
transient syncope and syncope are syndrome, was observed for seven years
and is described in this article. After violent initial symptoms,
chronic, and then acute hemiplegia, appreciable resolution, and,
finally, arrestation occurred. Thirteen references, including C.
Lingeron and T. Vastern.

1/1

LENGYEL, Karoly Csaba; FABIAN, Tibor

A new type chip dryer in Hungary's wood industry. Faipar 10
no.5:156-158 My '60.

1. Faipari Kutato Intezet.

BENDÓ, Jozsef; FABIAN, Tibor; PALLAGI, Otto, dr.; BOZZAY, Gyulane;
SZABÓ, Jeno

Linear programming for the organization of railroad trans-
portation of petroleum products. Kozleked kozl 20 no. 24:
396-399 14 Je '64.

KORN, Jozsef; PABIAN, Tibor; PALLAGI, Otto, dr.; REGEN, Gyula; SZABO, Jeno

Linear programming in the organization of the railreal
transportation of petroleum products. Eoszleked kozl. 20
no. 27452-455 5 Jl '64.

FARIAN, V.

More maize in cattle fodder.

p. 20 (DRUMUL SELSUCULUI) (Bucuresti, Romania) No. 3, Mar. 1957

30: Monthly Index of East European Accessions (EEAI) EC Vol. 7, No. 5, 1958

FABIAN, V.

"The optimal design of chemical reactors. A study in dynamic programming" by Rutherford Aris. Reviewed by V. Fabian. Chem listy 56 no.12:1459-1460 D '62.

FABIAN, V.

Remarks on W. Krysicki's article "On the Joint Problem of Bayes and Bernoulli"; also, the reply by W. Krysicki and remarks by H. Steinhaus. p. 100. (ZASTOSOWANIA MATEMATYKI. Vol. 3, no. 1, 1956, Poland).

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

FABIAN, Vaclav (Praha)

Note on the conditional expectations [in English with summary in Russian].
Chekh.mat.shur. 4 no.2:187-191 My '54. (MLRA 7:6)
(Probabilities)

AKAN, VACLAV

2

Fábián, Václav. A decision function. Czechoslovak
Math. J. (Prague), 31(45) (Russian summary)

Let X_1, X_2, \dots be independent and identically distributed random variables with $P(X_i=1)=\hat{p}$ and $P(X_i)=\theta$.

It is assumed that \hat{p} is an element of the set

$\{f_1, f_2, \dots\}$. A sequential decision procedure is

designed to choose the alternatives f_1, f_2, \dots in accordance with the probability of choosing them

satisfying (a) the probability of choosing f_i is not less than \hat{p} for all i and (b) with probability

one the procedure will choose a test f_i such that $\hat{p} < \theta$

for which the power is an upper bound for the probability

of the alternative f_i . An upper bound for the power is

obtained by the method of the discrete approximation. The

optimal properties are claimed for the procedure.

статистичні дані зразка, авторів. Використання відповідно
statistical design, publica.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041232

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041232

✓ Fabian, Václav. Zufälliges Abrunden und die Konvergenz des linearen (Seidelschen) Iterationsverfahrens.
Math. Nachr. 16 (1957), 265-270.

For the total step iteration, a stochastic process for rounding the iterates was studied by Abramov [Vyčisl. Mat. Výcisl. Tehn. 1 (1953), 37-40; MR 16, 1156]. This author takes the probability of rounding the last retained digit up or down to be proportional to the truncated portion of the number, and shows that convergence in the mean to the true solution is almost certain. The form of the iteration is quite general: he assumes a sequence of operators A_1, A_2, \dots, A_s cyclically applied, with the understanding (necessary and sufficient for securing convergence of the exact, unrounded, iteration) that

$$(A_s A_{s-1} \cdots A_1)^k \rightarrow 0 \text{ as } k \rightarrow \infty.$$

A. S. Householder (Oak Ridge, Tenn.)

FABIAN, V.

Leonard J. Savage's The Foundations of Statistics; a book review.

P. 111, (Casopis Pro Pestovani Matematiky) Vol. 82, no. 1, Mar. 1957
Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

Fabian, Václav LHC/lnl

Fabian, Václav. Measures the values of which are classes
of equivalent measurable functions. Czechoslovak
Math. J. 7(82) (1957), 191-234. (Russian summary)

Es sei die σ -Mengenalgebra V der Definitionsbereich
eines Wahrscheinlichkeitsmaßes, und n^* das System aller
"zufälligen Variablen", d.h. der Klassen fast überall
gleicher V -meßbarer reeller Funktionen. Die Arbeit be-
fäßt sich vor allem mit der Integration in bezug auf Maße
 μ , deren Werte zufällige Variable sind. Zunächst werden
Sätze über die Erweiterung eines solchen Maßes μ von
einem Ring auf einen σ -Ring bewiesen, wobei das von
einem linearen Funktional mit Werten in n^* induzierte
äußere Maß eine Rolle spielt. Ist μ definiert auf dem σ -
Ring S , so läßt sich das "schwache" Integral $\int f d\mu$ für

beliebige nirgends negative S -meßbare Funktionen f so
definieren, daß es additiv und unterhalb stetig ist, und es
gilt ein Satz über die Darstellung eines linearen Funktio-
nals als schwaches Integral. Bedeutet W eine σ -Unteral-
gebra von V , so veracht der Verf. unter einem W -
Integral ein additives und unterhalb stetiges Funktional,
wiederum mit Werten in n^* , das für Funktionen definiert
ist, deren Werte W -meßbare Funktionen sind, genauer
gesagt, für alle nirgends negativen $(S \times W)$ -meßbaren
Funktionen, und das folgende Eigenschaften hat: Sind f

cc

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2

und g zwei $(S \times W)$ -messbare Funktionen und ist $g(x, \omega) = g(\omega)$, so wird $W/gd\mu = f g d\mu$ und $W/fgd\mu = \bar{g} W f / d\mu$, wobei \bar{g} die durch g repräsentierte zufällige Variable ist. Bei σ -endlichem μ ist das W -Integral eindeutig; das Problem der Existenz bleibt im allgemeinen offen. μ heißt stark, wenn das V -Integral existiert. Dafür reicht zum Beispiel hin, daß S oder V die σ -Algebra aller Borelschen Mengen eines lokal-kompakten Hausdorffschen Raumes ist, oder daß μ eine bedingte Wahrscheinlichkeit bildet. Beziehungen zum Begriff der bedingten Wahrscheinlichkeit werden eingehend untersucht. Über das W -Integral werden ferner Analoga zum Fubini'schen und Radon-Nikodymschen Satz bewiesen. Existiert das W -Integral, und ist $r(A, \omega)$ bei festem ω als Funktion von A ein reelles Maß auf S und bei festem A als Funktion von ω ein Repräsentant der zufälligen Variablen $\mu(A)$, so ist die Funktion $h(\omega) = \int \{ \cdot, \omega \} dr(\cdot, \omega)$ ein Repräsentant der zufälligen Variablen $Wf/d\mu$. (Der Rezipient weist in diesem Zusammenhang auf die etwas anders gearteten Sätze von D. Maharam [Trans. Amer. Math. Soc. 75 (1953), 154-184; MR 14, 1071] hin.) K. Krickeberg (Hamburg).

smw

L'opérateur λ est l'extension d'une mesure sur le corps \mathbb{C} .

point. Casopis Pěst. Mat. 82 (1957), 300-310 (russe, tchèque, Czech and French summaries).
Soit μ une mesure (σ -additive mais pas nécessairement finie) dans un σ -corps \mathcal{L} . Soit $A = \mathbb{C}^n$ et \mathcal{U} un σ -algèbre de \mathcal{L} . Soit \mathcal{A} une σ -algèbre de \mathcal{U} et λ une fonction définie sur \mathcal{A} par

$\lambda(A) = \int_A \mu(x) dx$ pour tout $A \in \mathcal{A}$.

On teste les propriétés suivantes:
1) λ est additive sur \mathcal{A} et $\lambda(A) = 0$ si et seulement si $A = 0$ dans \mathcal{U} .
2) λ est σ -additive sur \mathcal{A} . Pour chaque $A \in \mathcal{U}$, il existe Ω dans \mathcal{A} tel que $A = \Omega + A'$ et $\lambda(A) = \lambda(\Omega) + \lambda(A')$.
3) λ est finie sur \mathcal{A} . Pour tout $A \in \mathcal{U}$, il existe Ω dans \mathcal{A} tel que $A = \Omega + A'$ et $\lambda(A) < \infty$.

II

ALBERT, J.

"Evaluating the rounding-off error in linear iteration processes,
especially in solving the Dirichlet problem for the 10x10 square by the
Seidel method."

p. 22 (Aplikace Matematiky, Vol. 3, no. 1, 1958, Praha, Czechoslovakia)

Monthly Index of East European Acquisitions (EIAI) LC, Vol. 7, no. 3,
September 1958

FABIAN, V.

"Some modifications of interval estimation and choice of number of observations
for a binomial random variable"

Aplikace Matematiky. Praha, Czechoslovakia. Vol. 4, no. 1, 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclassified

16.6200

3705
S/044/62/000/003/054/092
C111/C444

AUTHOR: Fabian Vlclav.

TITLE: A stochastic approximation method for the determination of the optimal conditions in the experimental work and in the self-adapting systems

PERIODICAL: Referativnyy zhurnal, Matematika, no. 3, 1962, 19,
abstract 3V86. ("Aplikace mat.", 1961, 6, no. 3, 162-183)

TEXT: Fabian considers a more-dimensional approximation method for the determination of the local maximum of the function $f(x_1, \dots, x_n)$ where $A_i \leq x_i \leq B_i$, $i = 1, 2, \dots, n$, where an estimation is used for every x_i from the definition domain. This method was proposed by him in his preceding paper (Rzh. Mat. 1961, 2B41). As an application of the described method the author considers the determination of the maximal extinction of the citric acid, Na_2HPO_4 , NaCl, as well as the use of the approximation method as a strategy of an optimizationalator.

[Abstracter's note: Complete translation.]

Card 1/1

Research Inst. for Mathematical Equipment

FABIAN, Vaclav, dr., C.Sc.

Logical block scheme of an automatic optimiser. Aplikace mat
7 no.6:426-440 '62.

1. Vyukumny ustav matemetickych stroju, Loretanske namesti 3,
Praha 1.

Z/026/62/007/006/002/005
D236/D308

AUTHOR: Fabian, Václav, Doctor

TITLE: Logic block network for an automatic optimizer

PERIODICAL: Aplikace matematiky, v. 7, no. 6, 1962, 426-439

TEXT: The article is the continuation of work previously published by the author (Aplikace matematiky, v. 6, 1961, 162-183) which dealt with the function of an automatic optimizer. The whole method of optimization, based on approximation, has also been described in the paper cited. The function of the central block and of the so-called standard blocks is described. The actual structure of the optimizer is shown to be independent of the number of the optimized conditions. In order to increase the number of the optimized counters, one just adds further standard blocks for the new parameters. There are 1 figure and 2 tables.

ASSOCIATION: Výzkumný Ústav matematických strojů Praha (Computer Research Institute, Prague)

SUBMITTED: September 1, 1961
Card 1/1

FABIAN, Vaclav, dr., ScC.

Note on the Halperin method of fitting straight lines in
case both variables are subject to error. Aplikace mat
8 no.3:197-200 '63.

1. Vyzkumny ustav matematickych stroju, Loretsanske namesti 3,
Praha 1 - Hradcany.

L 8290-66

ACC NR: AT5027851

SOURCE CODE: CZ/2503/65/000/011/0045/0050

AUTHOR: Chernyy, V. — Cerny, V.; Fabian, V.; Gayek, O. — Hajek, O.; Pokornyy, Z. —
Pokorny, Z.

ORG: Research Institute of Mathematical Machines, Prague (Issledovatel'skiy institut
matematicheskikh mashin)

TITLE: A small computer MSP

SOURCE: Ceskoslovenska akademie ved. Vyzkumny ustav matematickych stroju. Stroje na
zpracovani informaci, no. 11, 1965, 45-50

TOPIC TAGS: computer, solid state computer, computer design, computer logic, computer
circuit

ABSTRACT: The prototype of a small MSP universal decimal computer was built at the Research
Institute of Mathematical Machines (Issledovatel'skiy institut matematicheskikh
mashin) in Prague and tested by means of simple programs. The computer utilizes the first
version of a set of transistorized logic elements developed for the EPOS 2 computer (the set
is made of easily available but not fully satisfactory parts). The elements operate with a
1-Mc synchronization pulse frequency. The second unit under study will utilize a new version
of the set of elements having an increased reliability. The computer contains approximately
5000 transistors. The electronic components (including the memory) are contained within a
3.5 x 0.5 x 2.5 m cabinet, and consume 1 kw of power. The machine translates the universal

Card 1/2

L 8290-66

ACC NR: AT5027851

ALGOL-60 language into its own machine language. Orig. art. has: 2 formulas.

SUB CODE: DP / SUBM DATE: 29Feb64 / OTH REF: 002

OC
Card 2/2

1070-00 T JPF(c)

ACC NR: AP6025474

SOURCE CODE: CZ/0088/65/000/006/0499/0523

AUTHOR: Fabian, Vaclav (Doctor; Candidate of sciences; Prague) 41

ORG: Instituto of Information Theory and Automation, CSAV, Prague (Ustav teorie
informace a automatizace CSAV) B

TITLE: Review of deterministic and stochastic approximation methods for function
minimization [This paper was presented at the Annual Seminar on Information Theory
and Statistical Methods in Control Theory held in Prague from 25 May to 4 June 1965.] 16

SOURCE: Kybernetika, no. 6, 1965, 499-523

TOPIC TAGS: approximation convergence, stochastic process, minimization, nonlinear
programming

ABSTRACT: A review of the basic results and methods in the field of function mini-
mization. Gradient methods, methods of nonlinear programming and stochastic approxi-
mation are included. Convergence properties, in particular the rate of convergence,
are discussed, and open questions are emphasized. Orig. art. has: 12 formulas.
[Based on author's Eng. abstr.] [JPRS: 35,325]

SUB CODE: 12 / SUBM DATE: 26Jul65 / ORIG REF: 022 / SOV REF: 011
OTH REF: 131

Card 1/1 ✓

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AKS1

FABIAN, Zoltan

"Studies in education." Reviewed by Zoltan Fabian. Magy pszichol szemle
18 no.4:473-477 '61.

FABIANI-Culan, Gheorghe

On the diurnal march of photosynthesis in the aerial leaves and
the organic substances accumulated by them. Studii cerc biol
veget 15 no.3:341-359 '63.

1. Comunicare prezentata de academician N. Salageanu.

FABIAN-GALAN, Georgeta

Photosynthesis intensity development and the quantity of some substances in leaves during the daytime. Studii cerc biol s. bot 16 no.6:521-533 '64.

1. Laboratory of Plant Physiology, "Traian Savulescu" Institute of Biology.

FABIANCSICS, Laszlo, geofizikusmernok

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R. S. Idorowicz

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041232

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DATE: 1978-01-01
TIME: 00:00:00
REF ID: A6513

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041232(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041232

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